

AMENDMENT TO THE CLAIMS

Claim 1 (amended): A ~~modular~~-welding system, comprising:

(a) ~~—a basic component system having an operator control panel module~~
5 ~~configured to receive a welding program; which controls a power supply and~~
~~controls a wire feeder; and~~

(b) ~~—a at least one module modular fixture component system which~~
~~interfaces with said basic component system, said modular fixture component~~
~~controlled by said welding program; and system having a particular fixture~~
10 ~~assembly which performs a particular type of weld.~~

~~_____ a common bus that permits communications between said operator~~
~~control panel and said at least one module.~~

Claim 2 (amended): The welding system of claim 1, wherein said at least one
15 ~~module basic component system further comprises a power supply control module~~
~~that communicates a welding voltage to a power supply and communicates feedback~~
~~generated from said power supply to said operator control module. which~~
~~communicates inputs from said operator control module to said power supply.~~

20 Claim 3 (amended): The welding system of claim 1 ~~claim 2~~, wherein said at least
one module ~~basic component system further comprises a wire feed module feeder~~

~~control module which~~ that communicates a wire feed speed to a wire feeder, said
wire speed determined by said welding program. communicates inputs from said
~~operator control module to said wire feeder.~~

5 Cancel claims 4 – 6.

Claim 7 (amended): The welding system of claim 1 ~~claim 6~~, wherein said at least
one module ~~modular fixture component system~~ comprises an oscillator ~~control~~
module in communication with said operator control panel ~~module~~, said oscillator
10 ~~control~~ module configured to control an ~~control said~~ oscillator slide.

Cancel claims 8 – 20.

Claim 21 (new): A welding system, comprising:

an operator control panel configured to receive a welding program, said operator control panel comprising a CPU configured to process said welding program;

5 at least one module controlled by said welding program; and

a common bus that permits communications between said operator control panel and said at least one module.

Claim 22 (new): The welding system of claim 21, wherein said at least one module

10 comprises a power supply module that communicates a welding voltage to a power supply and communicates feedback generated from said power supply to said operator control module.

Claim 23 (new): The welding system of claim 22, wherein said at least one module

15 comprises a wire feed module that communicates a wire feed speed to a wire feeder, said wire speed determined by said welding program.

Claim 24 (new): The welding system of claim 23, wherein said at least one module

comprises an oscillator module in communication with said operator control panel,
20 said oscillator module configured to control an oscillator slide.